(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



I CREATE REMAINDER DE RECORD COURT RECORD COMPLETE DE COMPLETE DE

(43) International Publication Date 17 November 2005 (17.11.2005)

PCT

(10) International Publication Number WO 2005/109123 A1

(51) International Patent Classification⁷: G05B 19/042

(21) International Application Number:

PCT/US2005/015391

(22) International Filing Date: 4 May 2005 (04.05.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/567,980

4 May 2004 (04.05.2004) US

(71) Applicant (for all designated States except US): FISHER-ROSEMOUNT SYSTEMS, INC. [US/US]; 12301 Research Blvd., Research Park Plaza Bldg.111, Austin, TX 78759 (US).

(72) Inventors; and

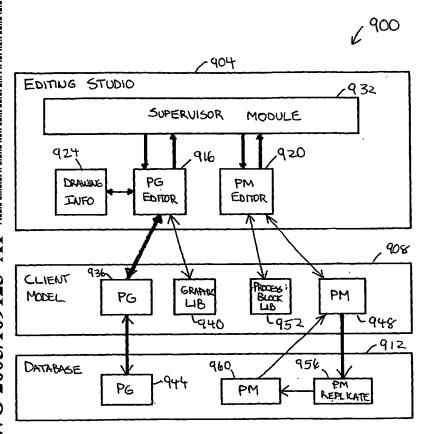
(75) Inventors/Applicants (for US only): NIXON, Mark, J.

[US/US]; 1503 Blackjack Drive, Round Rock, TX 78681 (US). WEBB, Arthur [GB/PH]; 15A Lawton Tower, Essensa, East Forbes, Lawton Avenue, Fort Bonifacio, Taguig City 1634, Manila (PH). LUCAS, J., Michael [GB/GB]; 7 Wales Orchard, Leire Lutterworth, Leicestershire LE17 5ES (GB). BEOUGHTER, Ken, J. [US/US]; 16917 Korat Lane, Round Rock, TX 78681 (US). BLEVINS, Terrence, L. [US/US]; 3801 Carmel Drive, Round Rock, TX 78681 (US). GILBERT, Stephen [GB/US]; 10109 Mountain Quail Road, Austin, TX 78758 (US). CAMPNEY, Bruce [US/US]; 13814 Rector Loop, Manor, TX 78653 (US).

- (74) Agent: STANTON, Gregory, E.; Marshall, Gerstein & Borun LLP, 233 S. Wacker Drive, 6300 Sears Tower, Chicago, IL 60606-6357 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

[Continued on next page]

(54) Title: SYSTEM FOR CONFIGURING GRAPHIC DISPLAY ELEMENTS AND PROCESS MODULES IN PROCESS PLANTS



(57) Abstract: A system for facilitating configuration of a process plant may include a process graphics editor and a process module editor. The process graphics editor may facilitate creation and/or modification of a graphical representation of physical entities in the process plant. The process module editor may facilitate creation and/or modification of a process module. process module may include one or more interconnected process objects representative of one or more corresponding physical entities in the process plant. The system may also include a supervisor module communicatively coupled to the process graphics editor and the process module editor. The supervisor module may be capable of detecting changes made to the graphical representation of the physical entities using the process graphics editor. In response to detecting such changes, the supervisor module may instruct the process module editor to make a corresponding change, if any, to a process module.

WO 2005/109123 A1

I COLOR CONTROL DE CRANTO RECUI COLOR ENTRE O RECUINDO COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR C

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.